

**Climatological Data for February, 1910.  
DISTRICT No. 10, GREAT BASIN.**

ALFRED H. THIESSEN, District Editor.

**GENERAL CLIMATOLOGICAL CONDITIONS.**

Unusually stormy conditions prevailed over the Great Basin for the larger part of February. The precipitation, though frequent, was below normal. The month as a whole was much colder than usual, and one of the coldest Februarys on record. In Utah and Nevada it was the coldest since 1903, and in Oregon, with two exceptions, the coldest since 1888.

**TEMPERATURE.**

The monthly mean temperature for the district, as a whole, was  $28.0^{\circ}$ , which is nearly  $3^{\circ}$  below the normal. Nearly every station reported monthly mean temperatures below normal, the greatest deficiencies were reported in northern Nevada and Utah, but exceptionally large minus departures were also reported at various other places in the district. The average departures from the normal ranged from  $-10^{\circ}$  at Corrinne, in the northern part of Utah, to  $0.4^{\circ}$  at Fillmore, in the south-central portion of the same State. The highest local mean temperature was  $44.4^{\circ}$  at Jean, Nev., and the lowest,  $12.4^{\circ}$  at Border, Wyo.

The exceptionally cold weather of December and January continued through the first decade of this month, most stations reporting their lowest temperatures on the 2d, 3d, and 4th. Very nearly every station in this district reported minimum temperatures of zero and below, the lowest being  $-37^{\circ}$  at Border, Wyo., on the 4th. Seasonable temperatures prevailed from the 10th to the 14th, many stations reporting their highest temperatures during this period. The temperature fell sharply on the 14th and the weather continued cold until the 16th, when it grew warmer, and as a rule, normal temperatures or above obtained for the remainder of the month. The highest temperature was  $79^{\circ}$  at Jean, Nev., on the 28th, and the next highest  $70^{\circ}$  at McAfee's Ranch, Nev., on the same date.

The monthly range of temperature in the district was  $116^{\circ}$ .

**PRECIPITATION.**

The precipitation averaged 1.11 inch, which is 0.23 inch below normal. It was poorly distributed. In the Oregon section and at stations on the western slope of the mountains in Utah, amounts above normal occurred, while in the remainder of the district the amounts were generally below normal. The greatest deficiencies occurred in western and southern Nevada and in southern Utah.

The greatest monthly amount was 5.45 inches at Richins Summit. A few stations in Nevada reported no precipitation. The greatest 24-hour precipitation was 1.22 inch at Marion, Utah, on the 19th.

The only well-defined dry period extended from the 3d to the 6th, except in the Wyoming, Idaho, and Oregon sections where dry weather prevailed from the 3d to the 9th.

In most of the mountain districts in the northern portion of Utah good amounts of snow fell. It is generally well packed, assuring a plentiful water supply for the ensuing season.

**MISCELLANEOUS.**

A correspondent in Harney County, Oreg., remarks as follows upon the conditions there:

The winter of 1909-10 has been the severest for 20 years. The feeding of stock began in November, whereas heretofore it usually began the last of

December or in January. Feed has become scarce and consequently high, and many farmers ran out early in the winter and loss of stock occurred. It is estimated that the cattle and sheep losses amount to 20 per cent and horses 10 per cent.

Another correspondent at Christmas Lake says:

The cold weather and snow killed many range cattle and thousands of sheep and some horses. Range stock is in very poor condition, and if we should get more snow and cold weather hundreds of head of stock will be lost as we have no more hay.

That the above noted conditions were not widespread may be gathered from the following by a correspondent at Paisley, Oreg., writing on March 6, 1910:

The stock losses have been light. The sheep losses have been no greater than in ordinary winters. Grass is now growing, but there will be considerable loss of both cattle and sheep before the new grass is high enough for feed.

On the morning of February 2 the weather map showed an area of low pressure over Arizona and a high over Montana and the Dakotas. These conditions gave rise to very severe winds. The anemometer at the local Weather Bureau office indicated a maximum velocity of 24 miles. Higher velocities than this, however, were experienced in other portions of Utah. Telephone wires north of Salt Lake City, as far as Pocatello, Idaho, were rendered useless. It was reported that the storm at the Lucin cut-off was the worst known since it was built. The damage amounted to about \$75,000, due to washing away of portions of the embankment and railings by the high water of the lake.

On February 14 another windstorm occurred, a maximum velocity of 52 miles at Salt Lake City being recorded. Considerable damage was done. Two hundred bathhouses at Saltair were demolished. The heavy waters of the Great Salt Lake washed out 4 miles of trackage belonging to the Western Pacific Railroad, doing about \$50,000 damage.

The high temperature on the last day of February and continued high temperature in the early part of March caused very rapid melting of the snow, which resulted in the Reese and Humboldt rivers rising in Nevada sufficiently to overflow their banks and do considerable damage, a detailed description of which will be given in next month's report.

**EVAPORATION AND PRECIPITATION MEASUREMENTS  
AT PROVO, UTAH.**

By J. L. LYTEL, Project Engineer, United States Reclamation Service.

The following measurements of evaporation and precipitation were made at the office of the United States Reclamation Service, under the direction of Mr. Lytel, Project Engineer. The evaporating pan was placed in an open space and it, together with a standard rain gage, was surrounded by a screen fence to prevent interference.

The readings are recorded in inches and cover the period from February, 1908, to December 5, 1909, and will be continued and published regularly in the MONTHLY WEATHER REVIEW, perhaps every six months.

These evaporation measurements are very valuable from a practical standpoint and highly appreciated by those interested in water resources.—A. H. T.

# MONTHLY WEATHER REVIEW.

FEBRUARY, 1910

*Tabulation of daily evaporation and precipitation at the Provo office, United States Reclamation Service, during 1908.*

Day.	February.		March.		April.		May.		June.		July.	
	Evapo- ration.	Precipi- tation.										
1			Inch.	Inch.								
2					.16	.04	.08	.19	.10	.04	.17	.26
3					.06		.10	.14	.24	.10	.04	.25
4			.06	.13	.03	.45	.12	.07	.04	.06	.32	.25
5					.03	.35	.15	.05	.09	.07	.03	.19
6			.04		.00	.28	.20	.12	.13	.03	.18	.20
7			.03		.03		.10	.15	.21	.13		.19
8			.02		.06	.02	.12	.24	.13	.10		.15
9		*			.04		.13	.04	.44	.15		.28
10			.12	.13	.06	.14	.10	.10		.18		.18
11			.03	.67	.05		.12	.11	.21	.21		.18
12			.00	.11	.08		*	.11	.57	.21		.20
13			.04		.08		.35	.10	.53	.23		.17
14			.05		.10		.20	.12	.31			.14
15			.03		.10		.19	.20		.14	.17	.17
16			.02				.15	.19		.14	.05	.27
17			.03	.23	.10		.17	.15		.13	.18	.16
18			.02		.14		.22	.16		.12	.21	.18
19			.03		.15		.17	.22	.07	.22		.20
20			.01		.11		.16	.00	.06	.15	.20	
21			.01		.17		.19	.11		.22		.16
22					.13		.13	.02	.12	.04	.19	.01
23		*			.11		.11	.38	.13		.20	.27
24			.06		.08		.13		.20		.19	
25			.05		.21		.19		.16		.18	
26			.04		.13		.15		.17	.82	.18	
27			.07		.13	.34	.11		.09	.71	.19	
28			.16		.07	.01	.27		.07	.16	.20	
29			.12	.03	.10		.14		.12		.18	
30			.08				.16		.27		.18	
31					.05	.43			.08	.24		

\*Evaporation and precipitation for this date were included in readings of following day.

*Tabulation of daily evaporation and precipitation at the Provo office, United States Reclamation Service, during 1908.*

Day.	August.		September.		October.		November.		December.	
	Evapo- ration. Inch.	Precipita- tion. Inch.								
1	.16		.15		.08		.05			
2	.17		.10		.13	.46	.05			.11
3	.18		.10		.10	.46	.04			
4	.18		.12		.03	.35	.05			.04
5	.17		.14		.04		.04			
6	.35	.11	.15		.07		.06			
7	.02		.16		.07		.05			
8	.17		.12	.84	.06		.04			
9	.17		.11		.07		.05			
10	.14	.09	.10		.07		.05			
11	.19	.11	.10	.10	.07		.04			
12	.18	.02	.17	.10	.08		.03			
13			.08		.08		.03			
14			.11		.12		.03			
15	.09		.13		.12	.04	.03			.29
16	.16		.19		.00	1.36	.03			.24
17	.13		.23		.13	.20	.04			.07
18			.20		.05	.06	.02			.04
19	.16		.13		.03	.55	.12			
20	.16		.11		.02	.21	.03			
21	.17		.13		.04	.04	.02			
22	.16		.12		.07		.07	.13		
23			.11		.06		.02	.06		
24	.19		.12	1.22	.05		.02	.42		
25	.23		.12	.40	.06		.06	.56		
26	.22		.07		.06		.04	.10		
27	.16		.08		.05					
28	.18		.08		.05					
29	.23		.09		.06					
30	.21		.08		.07					
31			.18		.06					

†Evaporation observations discontinued. Water in pan frozen solid.

*Tabulation of daily evaporation and precipitation at the Provo office, United States Reclamation Service, during 1909.*

\*Evaporation for this date was included in reading of following day.  
†No evaporation observations taken during January and February.

<sup>†</sup>No evaporation observations taken during January and February, 1909, on account of freezing temperatures.

*Tabulation of daily evaporation and precipitation at the Provo office, United States Reclamation Service, during 1909.*

Day.	July.	August.	September.	October.	November.	December.					
	Evapo- ration.	Precipi- tation.	Evapo- ration.								
1	.15	.12	.08	.43	.07	.04	.02	.04	.03	.02	.20
2	.14	.12	.07	.07	.07	.03	.04	.04	.03	.03	.15
3	.16	.02	.14	.13	.06	.15	.04	.05	.03	.02	.15
4	.16	.13	.11	.11	.06	.14	.05	.05	.03	.02	.15
5	.15	.12	.10	.11	.07	.14	.05	.05	.03	.02	.15
6	.19	.16	.08	.09	.06	.06	.05	.05	.04	.04	.18
7	.17	.16	.10	.10	.03	.16	.04	.04	.03	.03	.15
8	.17	.14	.09	.08	.10	.04	.04	.04	.03	.03	.15
9	.18	.11	.11	.08	.08	.04	.58	.58	.05	.05	.54
10	.19	.12	.10	.08	.08	.05	.75	.75	.05	.05	.25
11	.20	.13	.11	.22	.07	.04	.04	.04	.05	.05	.14
12	.18	.13	.09	.06	.06	.05	.05	.05	.05	.05	.14
13	.15	.15	.08	.06	.06	.04	.04	.04	.03	.03	.14
14	.14	.16	.08	.07	.07	.04	.12	.12	.04	.04	.06
15	.13	.06	.05	.08	.06	.06	.04	.04	.03	.03	.06
16	.16	.10	.13	.09	.06	.06	.04	.04	.03	.03	.06
17	.19	.10	.09	.07	.07	.03	.03	.03	.03	.03	.06
18	.13	.02	.10	.17	.06	.06	.03	.03	.03	.03	.06
19	.11	.10	.09	.09	.06	.06	.03	.03	.03	.03	.06
20	.11	.12	.09	.07	.07	.03	.03	.03	.03	.03	.06
21	.13	.13	.05	.15	.06	.06	.03	.03	.03	.03	.06
22	.11	.20	.12	.06	.06	.06	.03	.03	.03	.03	.06
23	.10	.03	.14	.09	.06	.06	.03	.03	.03	.03	.06
24	.10	.16	.09	.07	.08	.08	.02	.02	.02	.02	.06
25	.15	.03	.15	.08	.07	.07	.03	.03	.03	.03	.06
26	.16	.20	.14	.07	.04	.06	.02	.02	.02	.02	.15
27	.16	.15	.06	.06	.06	.05	.04	.04	.04	.03	.22
28	.17	.16	.07	.05	.05	.05	.03	.03	.03	.03	.06
29	.16	.16	.08	.10	.05	.05	.02	.02	.02	.02	.06
30	.16	.14	.11	.08	.05	.07	.02	.02	.02	.02	.06
31	.14	.08	.78	.04	.04	.04	.02	.02	.02	.02	.43

<sup>†</sup>Evaporation observations discontinued December 5. Water in pan frozen solid.

TABLE 1.—Climatological data for February, 1910. District No. 10, Great Basin.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmetted.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Wyoming.</i>																				
Border.	Uinta.	6,065	8	12.4	.....	48	14	-37	4	40	1.43	.....	0.30	7	10	7	11	w.	S. W. Condon.	
Cokeville.	do.	18.4	2	52	23	-30	4	47	0.88	.....	0.25	20.5	8	10	9	9	nw.	E. J. Tuckett.		
Evanston.	do.	19.2	14	-1.9	43	13	-11	3	36	1.33	-0.11	6.5	7	12	8	8	sw.	Frank Tucker.		
<i>Idaho.</i>																				
Geneva.	Bear.	2																	F. W. Boehme.	
Grace.	Bannock.	5,400	3	21.2	.....	45	14	-16	4	36	0.76	.....	0.30	3.0	4	13	6	9	Cyril B. Dickson.	
Oxford.	do.	4,750	2	17.1	-2.4	47	12	-24	4	49	2.60	+ 1.41	0.80	24.0	8	7	18	3	Edwin Smith.	
Paris.	Bear Lake.	5,946	16	17.1	-2.4	47	23	-27	4	49	2.60	+ 1.41	0.80	24.0	8	7	18	3	John Norton.	
Stone.	Oneida.	4,520	2	19.2	-2.7	46	27	-18	4	34	0.89	.....	0.52	16.0	5	17	3	8	n.	
Weston.	do.	4,460	12	22.6	-4.1	45	13	-11	4	34	1.14	-0.98	0.29	11.0	9	8	2	18	Thos. W. Roe.	
<i>Utah.</i>																			Wm. Chatterton.	
Alpine.	Utah.	4,900	13	.....															George Stevens.	
Annabella.	Sevier.	5,250	5	31.2	.....	56	13	6	37	0.42	.....	0.88	.....	0.41	15.0	5	5	4	J. W. Fairbanks.	
Beaver.	Beaver.	6,000	7	48.2	.....	62	28	0	37	0.05	.....	0.20	4.2	6	5	19	4	James Connell.		
Black Rock.	Millard.	4,872	10	31.5	.....	62	28	0	37	0.05	.....	0.05	0.5	1	8	6	14	w.		
Castle Rock.	Summit.	6,244	7	32.8	.....	59	28	0	3	0.26	.....	1.68	.....	0.45	25.5	8	10	4	14	David Moore.
Cedar City.	Iron.	5,750	5	32.8	.....	59	28	0	3	0.26	.....	1.68	.....	0.25	6.0	2	10	9	s.	Parley Dalley.
Corinne.	Boxelder.	4,240	40	20.2	-10.0	52	28	-4	47	35	1.35	+ 0.15	0.70	13.5	7	3	4	20	w.	A. C. Murphy.
Deseret.	Millard.	4,541	16	30.0	-1.1	63	28	-3	4	38	0.60	+ 0.27	0.40	4.0	2	7	17	s.	S. W. Western.	
Enterprise.	Washington.	4,270	2	29.4	.....	55	14	6	16	29	0.16	.....	0.16	7.0	1	14	11	3	John Day.	
Farmington.	Davis.	4,267	10	29.4	.....	55	14	6	16	29	1.85	.....	0.60	18.0	8	14	4	10	n.	Charles Boylin.
Fillmore.	Millard.	5,100	20	34.2	+ 0.4	67	28	3	3	39	0.92	+ 0.56	0.35	6	7	6	4	18	J. J. Starley.	
Friese Summit.	Wasatch.	Beaver.	7,318	16	30.2	-3.9	58	28	-3	17	35	0.02	-0.69	0.02	1	1	1	1	E. R. Smyth.	
Frisco.	Millard.	30.2	.....	61	28	-2	47	34	0.23	.....	0.23	4.0	2	7b	8b	11b	s.	E. M. Smith.		
Garrison.	Tooele.	5,277	10	27.0	.....	55	14	0	4	28	1.25	.....	0.65	12.1	7	6	4	18	Walter James.	
Government Creek.	do.	.....		.....		.....		.....		.....		.....		.....					Allen J. Fraser.	
Grantsville.	Wasatch.	5,606	17	22.9	-1.0	52	13	-15	4	44	2.09	-0.81	0.65	36.0	12	6	10	12	s.	John Crook.
Hensfer.	Summit.	5,301	11	24.6	.....	54	13	-16	4	49	3.44	.....	1.00	32.0	10	10	12	nw.	Wm. Brewer.	
Ibapah (near).	Tooele.	7,500	5	23.8	.....	54	13	-4	16	36	1.21	.....	0.50	17.3	9	7	8	13	w.	J. S. Lawton.
Iber.	Millard.	35.2	.....	64	13	6	3	37	0.36	.....	0.20	4.0	3	6	7	15	s.	John J. Watson.		
International.	Tooele.	5,370	2	29.6	.....	54	13	5	4	28	1.56	.....	0.44	19.2	15	12	6	10	sw.	I. S. & R. Co.
Kanosh.	Millard.	5,250	.....	54	13	5	4	28	0.73	.....	0.40	4	4	6	19	3	3	w.	Geo. Crane.	
Kelton.	Boxelder.	4,230	32	17.6	.....	43	28	-15	4	40	0.70	+ 0.08	0.40	7.0	3	6	19	3	F. W. Klock.	
Levan.	Juab.	5,010	20	27.4	-1.2	51	14	0	4	30	0.89	-0.72	0.38	7.5	8	7	6	16	Wm. Brown.	
Logan.	Cache.	4,507	19	23.5	-2.7	48	14	-5	3	31	1.90	+ 0.60	0.75	12.0	8	7	1	26	Edgar Grossard.	
Lucin.	Boxelder.	4,504	6	23.4	.....	48	28	-9	4	35	0.90	.....	0.50	9.0	5	7	8	13	C. J. Burke.	
Manti.	Sanpete.	5,575	16	24.0	-4.5	43	28	2	4	29	1.19	-0.29	0.33	6.0	9	10	0	18	J. M. Anderson.	
Marion.	Summit.	6,750	6	28.6	.....	60	13	-7	4	43	0.30	.....	3.25	1.22	31.2	14	4	22	a.	Jas. Woolstenhulme.
Marysville.	Piute.	6,180	11	28.6	.....	60	13	-7	4	43	0.30	.....	0.14	6.7	7	4	7	17	John W. Henry.	
Meadowville.	Rich.	6,200	11	18.4	.....	48	13	-18	4	35	0.85	.....	0.25	17.0	6	9	3	16	J. S. Moffat.	
Milford.	Beaver.	4,962	6	30.4	.....	60	17	14	3	40	0.80	.....	0.60	8.0	2	20	0	8	C. M. Temple.	
Millville.	Cache.	4,848	15	.....		.....		.....		.....	1.62	+ 0.40	0.65	14	4	3	21	n.	Fred Yeates.	
Minerville.	Beaver.	5,070	13	.....		.....		.....		.....	0.46	.....	0.30	4.5	3	2	20	n.	Geo. Roberts, sr.	
Modena.	Iron.	5,479	10	30.4	50	28	1	4	31	0.13	.....	0.07	1.5	2	8	15	5	U. S. Weather Bureau.		
Morgan.	Morgan.	508	7	.....		.....		.....		.....	1.19	.....	0.45	18.0	9	3	24	1	W. Visick.	
Moroni.	Sanpete.	5,519	2	30.5	.....	54	13	4	17	0.74	.....	1.13	0.30	8	9	10	9	b.	B. F. Eliason.	
Mount Nebo.	Utah.	4,650	9	27.0	-3.7	48b	13	-1	17	33	0.97	-0.87	0.62	9.8	5	7	5	12	D. C. Walkley.	
Mount Pleasant.	Sanpete.	5,859	18	31.6	.....	54	13	5	3	31	0.97	.....	0.47	0.31	7.0	5	7	17	c.	C. B. Scoville.
Nephi.	Juab.	6,059	7	31.6	.....	54	13	5	3	31	0.97	.....	0.47	0.31	7.0	5	7	17	n.	A. M. Madson.
Oak City.	Millard.	4,900	6	30.6	.....	61	23	1	4	32	0.93	.....	0.45	4.5	4	5	12	11	Peter Nielsen.	
Ogden.	Weber.	4,310	9	27.8	.....	49	15	2	16	36	2.64	.....	1.10	25.6	11	9	7	16	Enoch Farr.	
Panguitch Lake.	Garfield.	9,000	1	22.2	-5.1	56	22	-8	3	46	2.28	-0.56	0.47	1.16	0.08	12.5	3	2	n.	Jas. E. Prince.
Park City.	Summit.	7,800	13	22.2	-2.1	56	22	-8	3	46	2.28	-0.56	0.47	1.16	0.08	12.5	3	20	sw.	Irvin Evans.
Parowan.	Iron.	5,970	19	29.4	-2.2	55	14	-4	4	41	1.25	-0.08	0.85	12.5	3	2	7	11	S. M. Matheson.	
Peyson.	Utah.	4,637	7	29.0	-2.0	57	13	-6	3	36	0.21	-1.36	0.19	4.0	4	5	7	11	D. L. Coombs.	
Promontory.	Washington.	5,907	13	29.0	-2.0	57	13	-6	3	36	0.21	-1.36	0.19	4.0	4	5	7	11	J. H. Harrison.	
Provo.	Boxelder.	4,913	39	31.4	+ 0.1	60	14	5	4	37	2.27	+ 0.78	0.65	22.0	10	2	20	6	sw.	F. C. Houghton.
Randolph.	Utah.	4,532	18	31.4	+ 0.1	60	14	5	4	37	1.50	.....	0.36	0.36	21	0	7	7	n.	James A. Oliver.
Richfield.	Rich.	6,442	7	28.6	-4.0	61	28	-11	4	41	1.20	+ 0.47	1.00	12.0	2	11	1	15	William Rex.	
Richfield.	Sevier.	5,350	20	28.6	-4.0	58	14	9	4	27	1.03	.....	0.20	9.0	11	7	13	Joseph J. Jensen.		
Saltair.	Salt Lake.	4,220	7	29.4	.....	58	14	9	4	27	1.03	.....	0.20	9.0	11	7	13	U. S. Weather Bureau.		
Salt Lake City.	do.	4,366	36	31.6	-1.3	56	14	12	16	28	1.00	-0.38	0.21	10.1	16	5	10	13	U. S. Reclamation Service.	
Scipio.	Millard.	5,260	15	28.9	-2.9	55	13	-10	4	54	0.93	-0.81	0.60	4.0	4	5	9	14	E. A. Bonelli.	
Silver City.	Juab.	6,127	.....	30.4	.....	64	14	6	4	35	0.65	.....	0.19	0.19	6	5	7	16	J. L. Stark.	
Spanish Fork Canyon.	Utah.	4,585	1	28.0	.....	64	14	6	4	35	0.65	.....	0.19	0.19	6	5	7	16	U. S. Reclamation Service.	
Thistle.	Utah.	5,075	18	28.0	-2.1	53	28	-4	3	40	2.70	+ 1.19	0.80	27.0	7	1	16	11	Denver & Rio Grande Ry.	
Tooele.	Tooele.	4,900	14	28.7	-4.3	56	13	0	4	30	1.15	-0.09	0.66	1.20	8	1	16	5	E. C. Woodward.	
Utah Lake Pumping Sta.	Utah.	4,500	5	29.2	.....	58	14	7	4	31	2.00	.....	0.75	20.0	12	7	16	J. P. Jefferson.		
Woodruff.	Rich.	6,500	12	.....		.....		.....		.....</										

## MONTHLY WEATHER REVIEW.

FEBRUARY, 1910

TABLE 1.—Climatological data for February, 1910. District No. 10—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.		Observers.					
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.
Nevada—Cont'd.																			
Fallon.	Churchill.	3,965	5	28.0	- 8.1	64	28	- 12	3	33	0.04	- 0.76	0.04	...	1	19	3	6	e.
Fernley.	Lyon.	4,200	2	31.5	- 5.5	63	28	- 3	3	32	0.04	- 0.76	0.04	T.	1	17	6	5	w.
Gardnerville.	Douglas.	4,830	10	33.0	- 3.4	64	28	- 12	3	40	1.00	- 0.54	0.70	10.0	2	7	15	6	w.
Geyser.	Lincoln.	5	27.6	57	28	- 10	2	46	T.	46	...	T.	...	0	6	22	0	n.	
Glenbrook.	Douglas.	27.0	50	28	0	2	35	2.06	...	0.51	18.5	9	6	12	10	10	sw.		
Goleonda.	Humboldt.	4,697	31	26.7	- 7.3	58	28	- 6	3	35	0.25	- 0.41	0.10	2.5	3	11	9	8	se.
Halleck.	Elko.	5,631	17	10.6	- 15.4	41	27	- 27	5	30	0.40	- 0.45	0.30	5.0	3	7	10	11	nw.
Jean.	Clark.	2,074	2	44.4 <sup>a</sup>	79 <sup>a</sup>	28	19 <sup>a</sup>	16	47 <sup>a</sup>	0.00	...	0.00	0.04 <sup>d</sup>	0.04 <sup>d</sup>	...	...	...	...	...
Leetville.	Churchill.	4,020	3	29.2	62	28	- 11	3	33	0.10	...	0.10	1.0	1	13	10	5	n.	
Lewers Ranch.	Wascoe.	5,500	22	33.7	- 0.6	60	13	- 1	2	38	1.30	- 3.76	0.40	13.0	4	3	18	7	...
Lovelock.	Humboldt.	3,977	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
McAfee Ranch.	Esmeralda.	4,835	6	31.4	70	28	- 6	1	52	T.	...	T.	T.	0	12	4	12	n.	
Millet.	Nye.	4,850	2	32.3	59	28	8	47	34	0.19	0.19	0.0	1	10	9	9	n.		
Mina.	Esmeralda.	4,800	3	36.2	72	27 <sup>c</sup>	- 3	2	49	T.	...	T.	T.	0	11	5	12	nw.	
Mount Rose Ranch.	Wascoe.	28.6	56	28	- 2	3	42	0.70	...	0.40	5.9	4	15	6	7	sw.			
Palmetto.	Esmeralda.	6,780	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Potts.	Nye.	6,990	17	26.2	- 0.9	51	28	- 6	3	34	0.11	- 0.62	0.06	5.0	3	5	3	20	n.
Quinn River Ranch.	Humboldt.	4,850	8	21.9 <sup>b</sup>	...	...	- 19 <sup>b</sup>	3	44 <sup>b</sup>	...	...	...	...	...	...	...	...	...	w. <sup>k</sup>
Reno.	Washoe.	4,532	39	34.4	- 1.2	64	13	4	3	33	0.16	- 1.18	0.10	2.1	6	9	15	4	w.
Soda Lake.	Churchill.	4,534	3	28.4	64	28	- 5	3	32	0.05	...	0.05	T.	1	7	13	8	n.	
Tecoma.	Elko.	4,812	32	21.2	- 5.7	44	14 <sup>c</sup>	- 22	4 <sup>c</sup>	60	0.50	- 0.07	0.30	5.0	2	7	11	10	ne.
Tonopah.	Nye.	6,090	3	32.6	57	28	2	2	33	0.12	...	0.06	2.0	3	11	11	6	nw.	
Wabuska.	Lyon.	4,347	7	31.2	64	28	0	3 <sup>c</sup>	38	0.05	...	0.03	0.5	2	11	13	4	nw.	
Wells.	Elko.	5,631	38	19.0	- 6.5	41	25	- 19	3	52	1.02	- 0.20	0.80	10.0	3	12	0	16	nw.
Winnevucca.	Humboldt.	4,432	31	27.3	- 6.0	55	28	- 15	3	40	0.89	- 0.04	0.44	9.4	10	7	8	13	sw.

<sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

\* Precipitation included in that of the next measurement.

\*\* Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of falls not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Estimated by observer.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

U. S. Reclamation Service.

Mrs. A. J. Rankin.

Wm. Dangberg.

Mrs. J. F. Wambolt.

C. C. Henningsen.

Southern Pacific Co

Do.

Salt Lake Route.

U. S. Reclamation Service.

Ross Lewers.

J. S. Case.

C. H. Rodenkirch.

Fred J. Jones.

Southern Pacific Co.

Fred Elkins.

Isaac McConnell.

Miss Mamie Potts.

F. M. Payne.

U. S. Weather Bureau.

U. S. Reclamation Service.

Southern Pacific Co.

U. S. Weather Bureau.

J. G. Young.

Southern Pacific Co.

U. S. Weather Bureau.

TABLE 2.—*Daily precipitation for February, 1910. District No. 10, Great Basin.*

TABLE 2.—*Daily precipitation for February, 1910. District No. 10—Continued.*

TABLE 3.—Maximum and minimum temperatures at selected stations, February, 1910. District No. 10, Great Basin.

Wyoming.				Utah.												Nevada.				Nevada.				Nevada.				Nevada.				Nevada.													
Date.	Border.	Evanston.	Weston, Idaho.	Corinne.				Desert.				Government Creek.				Marysville.				Modena.				Ogden.				Parowan.				Provo.				Salt Lake City.				Burns, Oreg.				Elko, Nev.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.							
1.	25	-1	40	14	31	15	25	3	40	25	35	19	41	24	42	20	35	16	38	18	46	23	38	24	34	11	-5	35	8	35	5	26	-11	26	-5										
2.	22	3	20	8	33	13	32	6	25	18	24	15	33	26	10	26	22	33	15	39	16	32	22	18	25	1	25	5	35	25	28	-10	28	-10											
3.	4	-33	18	-11	24	-11	30	1	30	1	22	1	6	25	5	25	14	34	2	36	8	28	17	25	1	25	2	35	28	30	-10	30	-10												
4.	3	-37	22	-10	20	-11	25	-4	29	-3	24	0	33	26	1	24	5	33	1	42	5	30	13	30	11	34	3	30	30	34	-14	34	-14												
5.	11	-28	32	-4	26	6	28	1	29	-2	30	1	1	32	4	27	9	35	1	38	9	29	13	34	11	34	3	30	30	34	-14	34	-14												
6.	15	-24	28	0	28	6	20	5	31	1	34	3	41	2	33	4	37	0	36	7	31	15	36	5	36	5	26	-11	26	-11															
7.	13	-17	34	-1	25	9	28	1	40	4	35	8	37	4	41	14	30	13	39	12	33	13	33	10	40	9	32	9	32	-8	32	-8													
8.	20	-1	3	26	12	30	9	39	1	36	10	36	15	37	17	30	19	41	5	38	23	33	23	38	7	42	9	32	9	32	-8	32	-8												
9.	29	0	8	29	4	39	13	37	11	37	13	36	5	41	18	35	19	43	10	40	15	38	20	33	11	43	10	35	10	35	-14	35	-14												
10.	31	0	26	17	32	9	22	40	12	39	22	35	14	37	20	40	29	34	27	47	10	38	23	38	27	34	11	35	11	35	-14	35	-14												
11.	36	9	29	15	34	13	38	21	47	25	43	24	49	16	49	23	39	21	52	12	38	22	43	27	47	18	45	26	45	26	45	26	45	26	45	26	45	26							
12.	39	20	33	14	37	25	25	11	51	18	50	14	51	24	43	17	53	15	53	15	53	15	53	15	53	16	53	15	53	15	53	15	53	15	53	15	53	15							
13.	40	11	43	20	45	25	33	15	52	25	47	31	60	21	58	28	47	29	54	28	58	27	55	36	46	16	52	15	52	15	52	15	52	15	52	15									
14.	48	20	42	21	44	23	27	8	58	30	55	29	56	35	54	28	46	21	55	28	60	32	56	28	40	8	52	21	52	21	52	21	52	21											
15.	24	3	21	4	25	15	30	14	35	15	39	16	49	16	30	15	49	13	50	9	38	20	28	19	34	2	36	4	36	4	36	4	36	4											
16.	14	-21	10	-5	24	-7	25	4	27	10	21	9	22	10	25	12	24	2	25	17	24	12	36	12	37	2	37	2	37	2	37	2	37	2											
17.	16	-6	13	-1	23	-5	33	4	40	10	28	1	32	1	36	10	30	10	34	8	31	11	30	14	35	14	40	8	35	14	40	8	35	14											
18.	28	9	25	8	34	17	38	22	53	15	35	20	45	16	46	20	31	23	42	19	38	24	36	24	34	18	37	9	37	18	37	9	37	18											
19.	29	7	29	12	34	19	34	13	40	16	34	27	38	20	44	25	35	24	40	27	37	23	36	24	39	9	38	27	38	9	38	27	38	9											
20.	26	0	24	6	28	6	28	10	43	18	37	10	36	7	44	16	36	16	45	21	39	12	36	23	34	5	40	18	36	5	40	18	36	5											
21.	25	-1	28	12	34	12	38	2	51	18	45	17	46	20	46	23	47	24	49	17	46	20	43	26	36	12	32	12	32	12	32	12	32	12	32	12									
22.	29	11	33	9	33	11	32	5	50	20	40	10	45	26	39	13	50	20	49	19	44	26	36	19	38	8	35	8	35	8	35	8	35	8											
23.	41	20	34	20	37	27	25	8	47	22	42	18	45	6	50	20	43	19	51	24	53	25	44	30	43	30	47	2	30	2	30	2	30	2											
24.	36	9	42	11	42	19	45	5	49	24	48	28	51	22	53	27	45	31	53	30	49	35	42	31	52	18	52	18	52	18	52	18	52	18											
25.	41	21	39	28	45	30	47	32	55	37	47	32	53	32	54	29	45	33	53	32	54	25	48	32	49	31	40	26	45	25	45	25	45	25											
26.	33	9	28	16	34	13	38	15	44	21	40	24	47	25	47	22	39	20	53	26	42	24	42	28	42	32	46	28	46	28	46	28	46	28											
27.	35	16	32	21	40	28	35	12	50	28	46	26	51	26	52	26	45	31	54	28	48	30	47	32	44	36	43	34	43	34	43	34	43	34											
28.	34	26	32	23	40	33	52	31	63	32	50	33	58	29	59	28	45	36	53	27	47	35	49	42	52	36	56	36	56	36	56	36													
29.																																													
30.																																													
31.																																													
Mns.	23.6	1.1	29.0	9.4	32.6	12.5	32.1	8.4	42.9	17.1	37.4	16.6	42.8	14.4	42.4	18.4	36.5	19.1	44.5	14.3	42.9	20.0	38.9	24.3	36.9	13.9	38.8	9.9	38.7	9.9	38.7	9.9	38.7	9.9	38.7	9.9	38.7	9.9	38.7	9.9					

Date.		Ely.	Eureka.	Fallon.	Jean.	Lovelock.	Millett.	Mina.	Quinn River Ranch.	Reno.	Teams.	Tonopah.	Winnemucca.
Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	46	14	38	10	35	15	53	36	45	18	26	6	29
2.	42	6	16	3	32	7	46	20	39	37	34	3	26
3.	26	-8	24	17	-12	48	30	39	13	41	11	22	-19
4.	34	-4	34	4	23	-6	50	32	34	8	39	4	24
5.	41	4	40	9	23	-10	53	28	42	8	32	12	37
6.	33	2	37	8	21	-8	60	19	37	10	48	11	33
7.	39	6	38	23	31	1	56	22	41	20	65	16	32
8.	43	10	38	12	29	55	26	40	13	44	8	39	10
9.	41	14	37	19	37	18	59	27	38	24	49	24	37
10.	46	8	36	10	37	6	58	22	41	14	58	25	45
11.	45	10	45	28	43	19	53	29	51	20	61	20	54
12.	50	16	50	21	48	14	57	31	51	20	63	22	55
13.	48												